



ABSTRACT

An hybrid power supply module is disclosed. The hybrid power supply module is configured for placement in a battery compartment of an
5 electrically powered machine and includes a housing that contains a battery, an electrical generator or fuel cell, and control electronics. The housing is sized to fit in the host electrically-powered machine's battery compartment. The battery and electrical power generator or fuel cell are coupled electrically to the electronic controls. A method of replacing a
10 battery in an electric powered machine with a renewable power source is also disclosed. The method includes uncoupling the battery from the machine, removing the battery from a battery compartment of the machine, placing the hybrid power supply module in the battery compartment, and coupling the hybrid power supply module to the
15 machine.